OPERATING INSTRUCTIONS

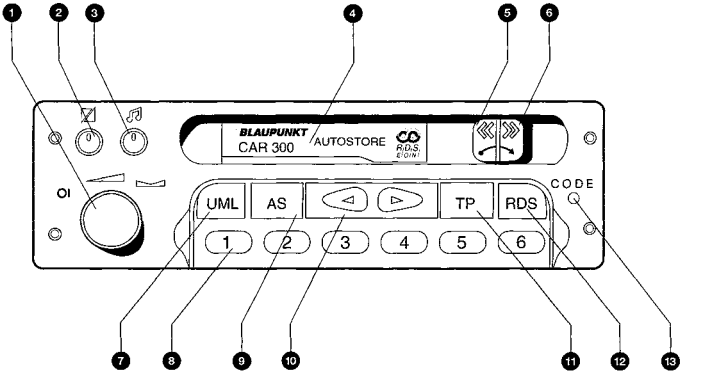
CAR 300

OPEL

German

Control elements 6
Display system (display) .....
6
Theft protection 7
EinVAusschalten 7
Volume 7
Sound 7
Radio 8
RDS (radio DATA system) .....
8
Traffic radio 9
RDS-EON 10
Transmitter memory 10
Cartridge 12
In-car telephone 12
Coding 12
General references 14

© 1998 Adam OPEL AG


1
2
3
4
5
6
BLAUPUNKT
CAR 300
AUTOSTORE
R.D.S.
EON
CODE
UML
AS
TP
RDS
1
2
3
4
5
6
7
8
9
10
11
12
13

Control elements

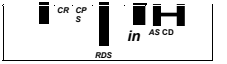
No.	Symbol	Meaning
1	○	Switching on and off
	◢	Volume: Tricks
	▁◣	Balance left/right: Pull and tricks
2	◪	Electronic fade-in/fade-out control (balance
		in front/in the back): Tricks
3	◢▪	Sound (basses/heights): Tricks
4		Cartridge pit
5	≪	Fast return
6	≫	Fast advance
7	UML	Shift wave band
8	[1]-[6]	Station keys
9	AS	Automatic memory browsing
10	◄	Browsing key backwards
	►	Browsing key upward
11	TP	Traffic radio
13	RDS	Radio DATA system
12		Code light emitting diode

Display system (Display)

The display in the vehicle (see vehicle manual) becomes for the external Indicate the radios information shared.

Two fundamental display types can built in the vehicle its.

2-digit display



display with 10 digits

In this operating instructions those become Displays of the 2-digit display beschrie user.

The displays of the display with 10 digits ent speak in a general manner those of the 2-digit
Display with exception of the display of the Wave band and the station numbers with some radio functions.

Theft protection

Coding

The equipment is with a passive safe heating system equipped. A coded Equipment is worthless for the thief. Therefore
Equipment code (see page 13). The code Number is on the Car passport or radio passport. Car passport or radio passport
do not keep in the vehicle.

With switched off equipment and abgezoge nem ignition key shows code shining diode (13) by flashing on that the anti Theft coding is activated.

In-/switching off

The equipment can through pressu of the Button (1) switched on and off become.

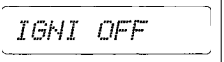
Switching on mechanism

Became the equipment with the button (1) in switched, it becomes on ignition „OUT " and Keys take off, and/or on ignition „OUT " (with some motor vehicle types) ausge
switches. The equipment switches itself automA
table, on ignition „. This
Switching on mechanism can be deactivated.

Switching on mechanism deactivate:

- Ignition switch on,
  Radio switch off,
- Station keys 1 and 3 (6) press and keep pressed,
- , Station switches radio on grope keep pressed, to Backward tone sounds.

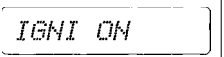
In the display the deactivated becomes following
Switching on mechanism indicated:



Now th equipment can only with that Button (1) be switched on and off.
Switching on mechanism activate:

Proceeding as under "switching on mechanism deactivate ".

In the display the activated becomes following
Switching on mechanism indicated:



After separation of the equipment from impulse voltage and reconnection are those Switching on mechanism actively.

Automatic shut-off

The equipment connects itself one hour at the outlet side
Switch off the ignition automatically off.

The automatic shut-off also remains deactivated switching on mechanism actively.

Volume

Volume

Button (1) turn

Balance

Loudspeaker left <-> right
Button (1) pull and turn

Electronic fade-in/fade-out control

Loudspeaker in front <-> in the back
Concealable button (2) turn.
Button to the EinVAusrasten press.

Soun d

Basses/heights

Concealable button (3) turn.
Button to the in-/releasing press.

Radio

Adjust a transmitter

Select the wave band:

UML key ⑦

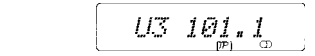
U = very high frequency (UKW)

M = medium wave (MW)

L = long wave (LW)

The UML key so often press, to that desired while range is selected.
The wave band is indicated in the display ("U", "UAS"," m, "MAS", V).

Within the UKW range appears with stereo transmitters the Stereo symbol CD in the display.
With bad reception the equipment switches automatically on mono over.



Transmitter browsing:
(not with RDS)

Browsing key ⑩ ◄ or ► press (radio switches mutely).

◄ lower frequencies (all transmitters).

► higher frequencies (only strong ones Transmitter).

No strong transmitter can receive become, browsing sensitivity becomes automatically switched.

Manual Sendereinstellung:

(not with TP or RDS).

Transmitters can be adjusted, of them Transmitter frequencies admits are.

Rapid adjustment:
Browsing key◄or ► so long pressed hold, until the frequency of the desired Transmitter is nearly reached.

Fine tuning:
Browsing key◄ or ► so often touch lightly, to
exact frequency of the transmitter in the display
one indicates.

radio DATA System

RDS is a European-wide imported service the broadcasting corporations, that finding of the
desired UKW program and
its trouble-free reception substantially facilitated.

Therefore RDS switch on!

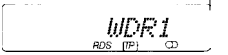
RDS transmitters radiate, additionally to Program, a digital data telegram
with information out, those the RDS equipment
evaluates automatically.

If RDS is switched on, appears in place of that
Frequency the program name in the display.

Each RDS program becomes on several Frequencies radiated. The equipment examines
while driving automatically the signal quality of the receptionable frequencies and always changes to the strongest (Bestempfang
the selected program). The per gram name remains unchanged in the display.

RDS switch on

Select UKW range ⑦ with UML key, then RDS with RDS key ⑱ switch on. In Display appears "RDS".



The browsing reacts now only up RDS transmitter. The radio selects automatically
to the adjusted program the belonging bestempfangbare frequency out. Can a short play-back interruption develop.

RDS transmitter browsing:

Browsing key ⑱ ◄ or ► press

◄ lower frequencies

► higher frequencies

RDS switch off

RDS key ⑱ press. "RDS" expires in Display and the adjusted frequency become indicated. The radio does not tune no more automatically on the bestempfangbare Frequency of the program off.

Frequency of a RDS transmitter to indicate leave

Around the transmitter frequency of a RDS transmitter
to read off, the UML key 7 so long
press, until the transmitter frequency indicated
becomes. After approximately 5 sec. again that becomes
Program name indicated.

Regional programs

Some RDS transmitters radiate different
Regional programs out. Thus only those
Alternative frequencies of the desired
Regional program to be selected:

Transmitters on station key store.
Subsequently, station key approx. 5 sec.
press, to in the display “REG-ON” he seems.

To switching this function off:

Respective station key approx. 5 sec. press,
to in the display “Move OFF”erscheint.

When switching on of the equipment on becomes
“REG-ON” briefly in the display indicated.
“RAIN OFF” is not indicated.

Traffic radio

(TP = Traffic of programs)

TP-transmitter = UKW RDS transmitter also
Traffic message. In the display becomes “TP”
indicated.

TP switch on:

Become excluding TP-transmitters
received.
UKW range with UML key 7 select.
Press afterwards 11 TP-key. In the display
appears *“[TP]”*. During the browsing
or if the reception of a TP-transmitter
is not possible, appears " [] “in the display.

With cartridge operation the play-back becomes
during a traffic radio announcement
interrupted.

TP can also during the cartridge
Operation to be switched on. In this
Case becomes for 5 sec. the program name of the
up-to-date adjusted transmitter indicated.

A non Verkehrsfunksender was heard
or with a station key selected, starts
the MEMORY browsing and places anschlie
ssend strongest Verkehrsfunksender.
So long the adjusted transmitter not
one leaves, finds with worse
becoming reception no more automatically
TP-browsing instead of.

TP is switched on and you presses the AS
Key 9 (AS = automatic storage
from transmitters, see page 10) so long, to a backward tone sounds, then that switches
Radio after terminating the memory procedure
on a memory size with traffic radio transmitter.

With switched on TP the browsing remains
so long actively, to at least a TP
Transmitter was found.

TP is switched on, or becomes TP during
cartridge play-back activated, searches
the equipment automatically the strongest en
turn-radio-turning radio that, if belonged the last
Transmitter is no longer receptionable.

TP switch off

TP-key press again “[]” expires
in the display.

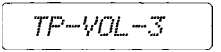
With a current traffic radio announcement
Twice, around TP presses TP-key
switch.

“TP” or “TP out” become with Bele
gung the station keys not with abgespei
chert.

TA volume

The volume of a traffic radio announcement
(Traffic Announcement) leaves itself additional
adjust to the normal volume.

Attitude:
TP-key 11 longer than 3 sec. press.
After backward tone the TA appears
Volume in the display (e.g. TP-VOL-3).



With the browsing keys ◄ or ► those desired announcement volume zwischen-3 and +3 adjust.

Memory of the TA volume:

TP-key longer than 3 sec., press, to stätigungston takes place.

Taken place within 10 sec. after call the TA volume no depressing the key, turns the equipment without change of the attitude in the normal operation back.

Only traffic radio announcements hear

If it excluding traffic radio by to say hear, TP want to switch on and Button 1 to a complete stop to the left turn.

Traffic radio announcements become always also the pre-programmed volume again given (see "TA volume").

Current traffic radio announcement interrupt

Around a current traffic radio announcement to interrupt (e.g. during the cartridge Operation), press TP-key once briefly. Here TP remains switched on.

RDS-EON

(Enhanced OTHER network)

Certain broadcasting stations offer with RDS EON the possibility, also with reception of non traffic radio transmitters To hear traffic radio announcements. In addition the equipment rates information too alternati ven traffic radio transmitters from that RDS telegram out. Not Verkehrsfunksender with RDS EON Binding become by the equipment such as en turn-radio-turning radio that treated and are to "EON" and/or "TP" - symbol in the display too erkennnen.

Traffic radio announcements over RDS-EON hear

TP-key press. In the display appears "[TP]". In case of a traffic radio announcement the equipment switches to one to the EON Net attached Verkehrsfunksender over.

After the announcement the equipment returns to the program belonged before back. While the traffic radio announcement becomes the program name of the traffic radio transmitter in the display indicated.

The RDS EON function is also with Casset tenbetrieb actively, if TP is switched on.

Transmitter memory

Memory sizes stand for altogether 30 Transmitter for the order:

6 x U (UKW)
6 x M (MW)
6 x L (LW)
6 x U AS (automatically more gespeicher width unit UKW transmitter)
6 x M AS (automatically more gespeicher width unit MW-transmitter)

Memory

Desired wave band and transmitter adjust. One of the station keys 8 ge presses hold, to adjusted transmitters becomes again audible.

During the memory procedure that becomes up-to-date stored transmitters indicated.

Thus is the adjusted transmitter on this Station key stored. The selected Memory size 1… 6 appears in the display.

RDS "" or RDS "OUT" becomes with Store a transmitter with stored.

Automatic storing (AS)

Select desired wave band (MW or UKW). Branch branch 9 press, to Backward tone sounds. Transmitter browsing , "AS" starts appears in the display.

After terminating the browsing are on that six station keys of the AS-digit plane

the six strongest transmitters from that Reception range stored.

RDS transmitters become with the automatic Storage prefers and on first
Memory sizes put down.

When leaving the reception range that stored transmitter again branch branch press, in order to store new transmitters.

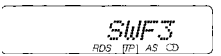
AS-memory sizes can also manually are occupied (see “memory”, page 10).

Becomes TP forwards or during automati schen storing switched on, calls that Equipment after terminating the transmitter browsing
a memory size with Verkehrsfunksender on (not necessarily memory size 1).

Stored transmitters call up

Select wave band (“U”, “UAS”, “M”, “MAS”, “L”). Then the desired station gropes press.

Around the transmitters stored with AS to call, only select wave band (“U” or “M”), then branch branch press briefly.



UKW auxiliary memory

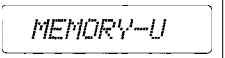
Additionally to the station keys that puts Turns out an UKW auxiliary memory on, in that
all receptionable UKW transmitters abgespei are chert. In this memory can do with that Browsing keys become “leafed”.

The UKW auxiliary memory becomes either by automatic storing (AS)
or manually again created.

Sheets in the UKW auxiliary memory:
RDS switch on. Browsing keys ◄ or touch lightly briefly ►. In the display those appear
Frequencies and/or program name that Transmitter, in the UKW auxiliary memory after
Senderkette are sorted put down.

Update the UKW auxiliary memory:

RDS key approx. 2 sec. press, to Backward tone sounds. In the display appears
briefly



The memory procedure is after approximately 30 sec.
finally, and it becomes the strongest Transmitter adjusted in the reception area.

On the station keys the stored Transmitters are not overwritten here!

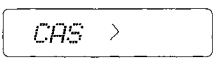
Or:

Branch branch press, to backward tone he sounds.

Here become however on the AS Memory sizes of the station keys gespei cherten transmitters overwritten.

Cartridge

Cartridge play-back
Cartridge in cartridge pit ❹ einschie
ben (open cartridge side to the right).
Equipment switches from radio to cartridge.
The upper cartridge side becomes
wiedergege



user in the display appears:

Fast advance and return

Pre or return key presses:
"fast return ❺
" fast advance ❻

During the fast pre or Rücklau
fes switches the equipment last to that
belonged radio program.

Terminate the fast pre and/or Rücklau
fes by short pressing the entgegenge
set high-speed gating.

The cartridge play-back is continued.

Interrupt that
Cartridge play-back
<< >> Both high-speed strobe < ❺ and
❻ press briefly. The cartridge
remains in the cartridge pit. That
Equipment switches from radio to cartridge
play-back on radio over.

Cartridge from thrust
• ˙ ˋ Both high-speed strobe press.
The equipment switches from cartridge
onto radio over and those pushes
Cartridge out.

In-car telephone

The radio is for the connector one
In-car telephone prepares. Around the
Autotele
hair dryer functions use to be able, must do
that
Telephone of authorized OPEL work
instead of to the radio to be attached.

An in-car telephone is angeschlos to the
equipment
sen, appears "' in the display, as soon as
the telephone is switched on or
Call arrives. The radio or cartridge
play-back is interrupted.

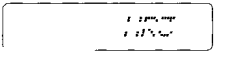
Verkehrsdurchsagen when acquitting:

The telephone audio muting intends priority
Verkehrsdurchsagen. They can nevertheless
hear if necessary a Verkehrsdurchsage.

In addition TP must be switched on ("[TP]" in
Display).

/.../■... ■■...
_____ s *RDS [TP] CD*

As soon as a traffic radio announcement
gesen
December will, becomes instead of "' the
per
gram name of the TP-transmitter in the
display
indicated.



With derTP key ⓫ can during that
Telephone audio muting the traffic radio
announcement to be selected.

Coding

Secure the equipment by coding.
coded equipment is worthless for the thief.

The code number is on that
Car passport or radio passport.

The coding of the equipment only is
switched on ignition possible.

Becomes the equipment of line voltage
separated, e.g. with expansion of the
equipment
(Theft) or by disconnecting that
Car battery, then is electronic it gesi
chert.

Only you know the equipment by input
the correct code number again in
Take operation (see in addition "again
to start-up ", see page 13).

Is the theft protection waived
become, e.g. with sales of the equipment,
can you the equipment decode (see
To "decoding", see page 13). Divide
the buyer the code number also. Those
Code number is on the Car
Passport or radio passport. Car passport or
radio
Passport in the vehicle do not leave.

Thus the equipment not by "trying out"
in operation to be taken can run,

after incorrect decoding attempts
Waiting periods off.

The number of remaining decoding
tries in the display one indicates.

During the waiting period the radio must
remain switched on. After first
both unsuccessful attempts amounts to the
waiting period
approx. 10 sec., then 10 minutes. After that
9.
incorrect attempt amounts to the waiting
period 640
Minutes.

After 10 unsuccessful attempts the
equipment becomes
closed ("SAFE" appears in the display).
liable to pay the costs interchange by an
auto
risierte OPELs workshop is then necessary.

It is advisable therefore, already after that to
6.
Unsuccessful attempt the restarting
operation of
an authorized Opel-General-Motors Dealer
durchfüh
ren to leave.

Code

Activate (theft protection)

1. Ignition switch on.
2. Radio switch off.
3. Keep ❾ pressed to branch branch and at the same time switch radio on. After To 3 sec. sounds backward tone. Then those
   Key release. In the display appears "CODE", after 3 sec. appears" — -".
4. Code number (from Car passport or radio Passport) with the station keys 1.2.3 and 4 input.

   Example: The code number is 0365

   Station keys i❽ display

   0 press 1 x key 1 --

   4 x key 2 press 0 3

   7 x key 3 press 0 3 6

   6 x key 4 press 0 3 6 5
5. Code store with branch branch: Key approx. 3
   Sec. press, until backward tone takes place
   and audio muting is waived.

Codes?

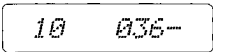
(Theft protection activates?)

The coded equipment points to everyone
Switch on briefly "CODE" in the display on,
if the ignition is switched on.

With switched off equipment and abgezoge
nem ignition key shows code shining
diode ⓭ by flashing on that the anti
Theft coding is activated.

Restarting operation after Tren nung of line voltage

1. Ignition switch on.
2. Radio switch off.
3. Keep ❾ pressed to branch branch and at the same time switch radio on. After To 3 sec. sounds backward tone. Then those
   Key release. In the display appears "SAFE", after 3 sec. "10 -------- ". The number
   gives the number the still permissible
   Input attempts of the code number on.
4. Input of the code number according to Car
   Passport or radio passport: Code number with the station keys 1.2.3 and 4 input (see a "coding").



   With incorrect input code number over write, i.e. input completely again.
5. Code number confirm:
   If the correct code number in the this play to read is, branch branch approx. 3 sec.
   long press, until backward tone takes place
   and audio muting is waived.
6. Incorrect code number became eingege ben and confirms:
   In the display "9 appears SAFE" and after Sequence of the waiting period "9 ". Now those
   correct code number input.

After the restarting operation that leads
Turns out a MEMORY browsing through.

Decode

(Waive the theft safety device)

Proceeding as under "coding".

After successful decoding those becomes
Audio muting of the radio waived.

The equipment is now no more theft protected, can thus after an operation spannungsunterbrechung again in operation are taken.

General references

With malfunctions you use yourselves an authorized Opel-General-Motors Dealer.

UKW reception

With car radio UKW reception exist, despite high more technically ripe one, differences
opposite home radios, itself - also RDS transmitters - in interferences noticeably
to make can.

Over physical causes of such Stö the vehicle operation on informs rungen line.

Care of cartridges and Cartridge player

Cartridges of never strong heat or expose to direct sunlight. C60 or C90-Cassetten of considerable manufacturers en
turn. In order to prevent contamination, Cartridges in boxes store.

Cartridge player with wet cleaning cartridge (Catalog number 17 82 504) at the latest then
clean, if the play-back quality diminishes.

Spannungsunterbrechung

With battery change the memory remains rate received. By the passive theft safety device (coding) knows the equipment to be locked electronically. Again start-up by input of the code Number (see page 13). After loss that You use yourselves code number please an authorized Opel-General-Motors Dealer. Restarting operation only after property proof and against fee.